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| 10/010,641 | 11/05/2001 | Kristen L. Bhatti | 10017079-1 | 4887 |

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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

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| EXAMINER |
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SINGH, SATWANT K

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| ART UNIT | PAPER NUMBER |
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2625

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07/18/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|--------------------------------------|---|--|
| Office Action Summary | Application No. 10/010,641 | Applicant(s) BHATTI, KRISTEN L. | |
| | Examiner Satwant K. Singh | Art Unit 2625 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 April 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 21-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 21-41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is in response to the amendment filed on 26 April 2007.

Response to Arguments

2. Applicant's arguments with respect to claims 21-41 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 21-27, 29-33, and 35-41 are rejected under 35 U.S.C. 102(e) as being anticipated by Wakai et al. (US 6,587,861).
5. Regarding Claim 21, Wakai et al discloses a method comprising: in response to a user requesting, via a user interface, to print information on a printing device (user instructs the printing of specific data at a specific time) (col. 14, lines 28-31), displaying a print window in which the user is permitted to modify printing parameters controlling printing of the information on the printing device (Fig. 61, process selected) (changing the print setup for a selected job) (col. 35, lines 15-32); in response to a user selecting a button on the print window (Fig. 106) (selecting a job from the print queue), displaying a

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job schedule window in which the user is permitted to specify a later time and/or date at which a print job is transmitted to the printing device (Fig. 109) (col. 31, lines 42-64), the print job encompassing the information to be printed on the printing device in accordance with the printing parameters (col. 31, lines 42-64), the job schedule window being different than the print window (Figs.. 106 and 109 are different); in response to the user specifying the later time and/or date at which the print job is transmitted to the printing device, scheduling transmission of the print job to the printing device at the later time and/or date (user instructs the printing of specific data at a designated time) (col. 14, lines 28-31); and, at the later time and/or date, transmitting the print job to the printing device for printing of the information on the printing device in accordance with the printing parameters (when the time designated by the user is reaches the job for the printing process is performed and print information is generated and transmitted to the printer) (col. 14, lines 46-54).

6. Regarding Claim 22, Wakai et al discloses a method, further comprising the user modifying one or more of the printing parameters controlling printing of the information on the printing device, such that the print job is printed on the printing device at the later time and/or date in accordance with the printing parameters as modified by the user, the printing parameters including one or more of: a page range of the print job, and a number of copies of the print job (number of copies of the object) (col. 13, lines 50-55).

7. Regarding Claim 23, Wakai et al discloses a method, wherein the printing parameters specifiable by the user include identification of the printing device that is to print the information (process destination) (col. 13, lines 60-65).

8. Regarding Claim 24, Wakai et al discloses a method, wherein the user requests, via the user interface, to print the information on the printing device by selecting a print menu item within a file menu of the user interface (Fig. 121).

9. Regarding Claim 25, Wakai et al discloses a method, wherein the user selects the button on the print window by selecting a properties button (Fig. 122).

10. Regarding Claim 26, Wakai et al discloses a method, wherein displaying the job schedule window comprises displaying the job schedule window as including a "print now" option selectable by the user (Fig. 61, S6105, print now) and a "print later" option selectable by the user (Fig. 61, S6106, schedule change), such that the user selecting the "print later" option enables the user to specify the later time and/or date at which the print job is transmitted to the printing device (Fig. 61, S6107, change schedule).

11. Regarding Claim 27, Wakai et al discloses a method, wherein the method is performed by a computing device communicatively connected to the printing device, such that the print job is stored at the computing device until the later time and/or date specified by the user (client computer and a server may be present in the same device) (col. 10, lines 28-31), at which time and/or date the print job is transmitted to the printing device from the computing device (when the time designated by the user is reaches the job for the printing process is performed and print information is generated and transmitted to the printer) (col. 14, lines 46-54).

12. Regarding Claim 29, Wakai et al discloses a method, wherein the printing device is one of a laser printer, an ink-jet printer, an impact printer, a solid-ink printer, and a multifunction device (Fig. 7) (col. 12, lines 61-67, col. 13, lines 1-6).

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13. Regarding Claim 30, Wakai et al discloses a print scheduling system comprising: a user interface operative on a user work station for displaying a plurality of windows (Figs. 106, 109, and 119-123) in response to a user requesting to print information on a printing device, the windows permitting modification of printing parameters controlling printing of the information on the printing device (Fig. 61, process selected) (changing the print setup for a selected job) (col. 35, lines 15-32), the windows further permitting the user to specify whether the information is to be printed on the printing device in accordance with the printing parameters now or at a later time and/or date specifiable by the user (user instructs the printing of specific data at a specific time) (col. 14, lines 28-31); and, a processor of the workstation that is programmed to initiate transmission of a print job from the user workstation to the printing device based on whether the user specified that the information is to be printed on the printing device now (Fig. 61, S6105, print now) or at the later time and/or date (Fig. 61, S6106, schedule change), such that where the user has specified that the information is to be printed on the printing device at the later time and/or date, the print job is transmitted to the printing device at the later time and/or date (when the time designated by the user is reaches the job for the printing process is performed and print information is generated and transmitted to the printer) (col. 14, lines 46-54), the print job encompassing the information to be printed on the printing device in accordance with the printing parameters (printer performs the printing process in accordance with an instruction) (col. 14, lines 11-14).

14. Regarding Claim 31, Wakai et al discloses a print scheduling system, wherein the printing parameters specifiable by the user include identification of the printing device that is to print the information (process destination) (col. 13, lines 60-65).

15. Regarding Claim 32, Wakai et al discloses a print scheduling system, wherein the user interface displays the windows in response to the user requesting to print the information on the printing device by selecting a print menu item within a file menu of the user interface (Fig. 121).

16. Regarding Claim 33, Wakai et al discloses a print scheduling system, wherein the user interface displays a first window including a button selectable by the user (Fig. 106), such that selection of the button by the user causes the user interface to display a second window (Fig. 109) in which the user is permitted to specify whether the information is to be printed now or at the later time and/or date (Fig. 53, S5314, select action) (col. 31, lines 42-63).

17. Regarding Claim 35, Wakai et al discloses a print scheduling system, wherein the printing device is one of a laser printer, an ink-jet printer, an impact printer, a solid-ink printer, and a multifunction device (Fig. 7) (col. 12, lines 61-67, col. 13, lines 1-6).

18. Regarding Claim 36, Wakai et al discloses a print scheduling system comprising: means for displaying a plurality of windows (Figs. 106, 109, and 119-123) in response to a user requesting to print information on a printing device, the windows permitting modification of printing parameters controlling printing of the information on the printing device (Fig. 61, process selected) (changing the print setup for a selected job) (col. 35, lines 15-32), the windows further permitting the user to specify whether the information

is to be printed on the printing device in accordance with the printing parameters now or at a later time and/or date specifiable by the user (user instructs the printing of specific data at a specific time) (col. 14, lines 28-31); and, means for initiating transmission of a print job to the printing device based on whether the user specified that the information is to be printed on the printing device now (Fig. 61, S6105, print now) or at the later time and/or date (Fig. 61, S6106, schedule change), such that where the user has specified that the information is to be printed on the printing device at the later time and/or date, the print job is transmitted to the printing device at the later time and/or date (when the time designated by the user is reached the job for the printing process is performed and print information is generated and transmitted to the printer) (col. 14, lines 46-54), the print job encompassing the information to be printed on the printing device in accordance with the printing parameters (printer performs the printing process in accordance with an instruction) (col. 14, lines 11-14).

19. Regarding Claim 37, Wakai et al discloses a print scheduling system, wherein a first window including a button selectable by the user is displayed by the means for displaying (Fig. 106), such that selection of the button by the user causes the means for displaying to display a second window (Fig. 109) in which the user is permitted to specify whether the information is to be printed now or at the later time and/or date (Fig. 53, S5314, select action) (col. 31, lines 42-63).

20. Regarding Claim 38, Wakai et al discloses a print scheduling system, wherein the printing device is one of a laser printer, an ink-jet printer, an impact printer, a solid-ink printer, and a multifunction device (Fig. 7) (col. 12, lines 61-67, col. 13, lines 1-6).

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21. Regarding Claim 39, Wakai et al discloses a computer readable medium having a computer program stored thereon to perform a method comprising: in response to a user requesting, via a user interface, to print information on a printing device (user instructs the printing of specific data at a specific time) (col. 14, lines 28-31), displaying a print window in which the user is permitted to modify printing parameters controlling printing of the information on the printing device (Fig. 61, process selected) (changing the print setup for a selected job) (col. 35, lines 15-32); in response to a user selecting a button on the print window (Fig. 106) (selecting a job from the print queue), displaying a job schedule window in which the user is permitted to specify a later time and/or date at which a print job is transmitted to the printing device (Fig. 109) (col. 31, lines 42-64), the print job encompassing the information to be printed on the printing device in accordance with the printing parameters (col. 31, lines 42-64), the job schedule window being different than the print window (Figs. 106 and 109 are different); in response to the user specifying the later time and/or date at which the print job is transmitted to the printing device (user instructs the printing of specific data at a designated time) (col. 14, lines 28-31), scheduling transmission of the print job to the printing device at the later time and/or date; and, at the later time and/or date, transmitting the print job to the printing device for printing of the information on the printing device in accordance with the printing parameters (when the time designated by the user is reaches the job for the printing process is performed and print information is generated and transmitted to the printer) (col. 14, lines 46-54).

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22. Regarding Claim 40, Wakai et al discloses a computer readable medium, wherein displaying the job schedule window comprises displaying the job schedule window as including a "print now" option selectable by the user (Fig. 61, S6105, print now) and a "print later" option selectable by the user (Fig. 61, S6106, schedule change), such that the user selecting the "print later" option enables the user to specify the later time and/or date at which the print job is transmitted to the printing device (Fig. 61, S6107, change schedule).

23. Regarding Claim 41, Wakai et al discloses a computer readable medium, wherein the method is performed by the computer program as executed on a computing device communicatively connected to the printing device, such that the print job is stored at the computing device (client computer and a server may be present in the same device) (col. 10, lines 28-31) until the later time and/or date specified by the user, at which time and/or date the print job is transmitted to the printing device from the computing device (when the time designated by the user is reaches the job for the printing process is performed and print information is generated and transmitted to the printer) (col. 14, lines 46-54).

Claim Rejections - 35 USC § 103

24. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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25. Claims 28 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wakai et al. (US 6,587,861) in view of Zhang et al. (US 6,016,478).

26. Regarding Claim 28, Wakai et al fails to teach a method, wherein the print job comprises at least one of spreadsheet data and database data.

Zhang et al teaches a method, wherein the print job comprises at least one of spreadsheet data and database data (database management systems, spreadsheets and the like) (col. 4, lines 53-67).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Wakai with the teaching of Zhang to allow the user to schedule transmission of print jobs comprised of various types of data.

27. Regarding Claim 34, Wakai et al fails to teach a print scheduling system, wherein the print job comprises at least one of spreadsheet data and database data.

Zhang et al teaches a print scheduling system, wherein the print job comprises at least one of spreadsheet data and database data (database management systems, spreadsheets and the like) (col. 4, lines 53-67).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Wakai with the teaching of Zhang to allow the user to schedule transmission of print jobs comprised of various types of data.

Conclusion

28. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

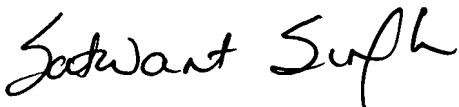
Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satwant K. Singh whose telephone number is (571) 272-7468. The examiner can normally be reached on Monday thru Friday 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



sks

Satwant K. Singh
Examiner
Art Unit 2625



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